

A B S T R A C T

AN X-RAY TRANSPARENT REAL-TIME DOSIMETER FOR
INTERVENTIONAL RADIOLOGICAL PROCEDURES

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A method of measuring in real time a dose of radiological radiation absorbed by a region under inspection subjected to a flux of radiological radiation, the method comprising the steps consisting in: a) detecting the incident radiation at at least one point of the region under inspection using at least a first bundle of measurement optical fibers (2) containing at least one fiber placed in said region under inspection and adapted to generate a light signal on receiving radiological radiation; b) measuring said light signal away from the region under inspection after it has been transmitted along the measurement optical fiber; and c) determining the dose of radiological radiation received by said measurement optical fiber on the basis of said light signal.

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Translation of the title and the abstract as they were when originally filed by the Applicant. No account has been taken of any changes that may have been made subsequently by the PCT Authorities acting ex officio, e.g. under PCT Rules 37.2, 38.2, and/or 48.3.

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